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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/712,815	11/12/2003	Johnson Yang	14047 B	8835

36672 7590 04/25/2005

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NEW YORK, NY 10038

EXAMINER

DUPUIS, DEREK L

ART UNIT	PAPER NUMBER
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2883

DATE MAILED: 04/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/712,815

Applicant(s)

YANG, JOHNSON

Examiner

Derek L. Dupuis

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☒ Claim(s) 1-9 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11/12/2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-9 would be allowable if rewritten to correct minor grammatical errors.
2. The following is a statement of reasons for the indication of allowable subject matter:
3. Claims 1-9 are allowable over the prior art of record because the latter, either alone or in combination, does not disclose nor render obvious a connector comprising a housing with a through hole and a recess to hold a spring, lugs on the housing that attach to cavities in an assembly part, and reducing holes on the assembly part through which a shaft portion of a cover is engaged in combination with the rest of the claimed limitations.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Application 10/914429 filed by applicant on 8/9/2004 had many of the limitations of claim 1. However, U.S. Patent Application 10/914429 did not include limitations directed to an assembly part with a pair of second opposite sidewalls with reducing holes or to a pair of lugs on a housing that interconnect with a pair of cavities on an assembly part. Therefore, a double patenting rejection would not be proper.
5. *Matasek et al (US 6,361,218 B1)* teach a fiber optic connector module with many of the limitations of claim 1. The module includes a cover but does not include reducing holes to which the shaft of the cover is inserted. Also, Matasek et al do not teach a spring recess or a through hole in the housing.

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6. *Liu (US 6,739,765 B1)* teaches a socket for a fiber optic connector. While Liu teaches many of the limitations of claim 1, Liu does not teach the use of lugs and cavities to connect the assembly part with the housing. Furthermore, Liu does not teach reducing holes to which the shaft of the cover is attached. Liu also does not teach a through hole through which an end of the spring projects.

7. *Satoh (US 2002/0191921 A1)* teaches an optical connector. Satoh teaches many of the limitations of claim 1. However, Satoh does not teach that the housing includes a through hole through which an end of the spring projects. Satoh also does not teach the use of lugs and cavities to connect the housing to an assembly part. Satoh does not teach the use of reducing holes to which the shaft of the cover is inserted.

8. This application is in condition for allowance except for the following formal matters:

9. Claims 1-9 are objected to because of the following informalities: the phrase “connector for optical transmitting and receiving device” should apparently be “connector for an optical transmitting and receiving device”. Appropriate correction is required.

10. Claim 1 is objected to because of the following informalities: the phrase “on outer surface” in lines 3 and 4 should apparently be “on an outer surface”. The phrase “of both opposite sidewalls” lacks antecedent basis and should apparently be “of a pair of opposite sidewalls”. The term “both” implies two pairs of sidewalls (4 walls total) when only two walls have the groove. Appropriate correction is required.

11. The above-mentioned informalities are examples of the many other grammatical and typographical errors in claims 1-9. There are too many informalities for the

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examiner to list in this action. Applicant should proofread the claims and correct all of the minor informalities.

12. The abstract of the disclosure is objected to because the phrase “connector for optical transmitting and receiving device” should apparently be “connector for an optical transmitting and receiving device”. The hand-drawn character in line 4 is also improper and should be replaced with a standard character that can be captured and recorded in the Office’s automated information system. The character can also be replaced with written text describing the desired shape. There are several other grammatical and typographical errors in the abstract. Applicant should proofread the abstract and correct all minor informalities. Correction is required. See MPEP § 608.01(b).

13. The disclosure is objected to because of the following informalities: The hand-drawn character in line 23 of page 2 is also improper and should be replaced with a standard character that can be captured and recorded in the Office’s automated information system. The character can also be replaced with written text describing the desired shape. The title “Description of the Prior Arts” in line 7 of page 1 should apparently be “Description of the Prior Art”. The phrase “connector for optical transmitting and receiving device” in line 6 of page 1 should apparently be “connector for an optical transmitting and receiving device”. There are several other grammatical and typographical errors in the specification. Applicant should proofread the abstract and correct all minor informalities. Appropriate correction is required.

14. Figures 9 and 10 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid

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abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

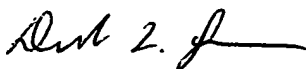
Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Derek L. Dupuis whose telephone number is (571) 272-3101. The examiner can normally be reached on Monday - Friday 8:30am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frank G. Font can be reached on (571) 272-2415. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Frank G. Font
Supervisory Patent Examiner
Technology Center 2800